

terminals thereof and protocol execution ranges thereof are set as parameters for required data transmission/reception, whereby the protocols are selectively executed depending upon the contents of the control table. The invention therefore achieves the effects that the overhead attributed to the mismatching of protocols decreases, and that flexible processing can be performed.

What is claimed is:

1. A local area network control apparatus interposed between a host computer whose main storage stores an appropriate number of user programs and a plurality of interactive terminals which have protocols of any desired level comprising

a program module which has a predetermined protocol bypass function, a program module which has a function of executing a predetermined protocol, and a control table wherein required data transmission/reception is performed between the host computer and any one of the interactive terminals including the execution of protocols according to suitable parameters in the control table, such as names of the user programs to be handled, designations of the interactive terminals thereof, and protocol execution ranges thereof.

2. A local area network control apparatus according to claim 1 wherein said control table is comprised in an internal memory of said apparatus.

3. A local area network control apparatus according to claim 1 wherein said control table is comprised in said main storage of said host computer.

4. A local area network control apparatus according to claim 1 wherein said control table is comprised in a register separately disposed.

5. A local area network control system interposed between a host computer including main storage which stores user programs and a plurality of terminals which support a plurality of data communications protocols, the system comprising:

a control table containing parameters including terminal designations and ranges of protocol which are supported by the terminals;

a protocol program module which executes a predetermined protocol according to the parameters in the control table; and

a bypass program module which bypasses execution of a predetermined protocol according to the parameters in the control table.

6. A local area network control system according to claim 5 wherein the parameters contained in the control table further include user program names.

7. A local area network control system according to claim 5 wherein protocol for required data transmission/reception between the host computer and a terminal is implemented or bypassed according to the parameters in the control table.

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